

What is Claimed is:

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An ovulation-period-detecting reagent comprising:

Component A, comprising an aqueous solution of a substance conducting a color reaction with hydrogen peroxide; and

Component B, an aqueous solution of hydrogen peroxide.

2. The reagent as claimed in claim 1, wherein the content of the substance in Component A is of 1-10% (by weight), while the content of hydrogen peroxide in Component B is of 1-10% (by weight).

3. The reagent as claimed in claim 2, wherein said Component A may further comprise a stabilizing agent with a content of 0.01-0.02% (by weight).

4. The reagent as claimed in claim 1, wherein said substance in said Component A is selected from benzidine compounds.

5. The reagent as claimed in claim 4, wherein said substance in said Component A is selected from the group consisting of benzidine, tetramethyl benzidine, diaminobenzidine, o-tolidine, o-dianisidine and inorganic salts thereof.

6. The reagent as claimed in claim 1, wherein said substance in Component A may be selected from the group consisting of 3-amino-9-ethylcarbazole, 4-methoxy- α -naphthol, o-phenylenediamine, 5-aminosalicylic acid, 2,2-azo-di(3-ethyl-benzothiazoline-6-sulfonate), pyrogallol, and o-methoxyphenol.

5 7/ A kit for determining the period of ovulation comprising Component A, Component B, a transparent container and cotton sticks, wherein said Component A contains 1-10% aqueous solution of a substance which can conduct a color reaction with hydrogen peroxide, said Component B is a 1-10% aqueous solution of hydrogen peroxide, and the ratio between said Component A and said Component B is of 10-20:1 (by volume).

8. The kit as claimed in claim 7, wherein said Component A may further contain a stabilizing agent with a content of 0.01-0.02% (by weight).

9. The kit as claimed in claim 7, wherein said substance in said Component A is selected from benzidine compounds.

10. The kit as claimed in claim 9, wherein said substance in said Component A is selected from the group consisting of benzidine, tetramethyl benzidine, diaminobenzidine, o-tolidine, o-dianisidine and inorganic salts thereof.

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11. The kit as claimed in claim 7, wherein said substance in Component A may be selected from the group consisting of 3-amino-9-ethylcarbazole, 4-methoxy- α -naphthol, o-phenylenediamine, 5-aminosalicylic acid, 2,2-azo-di(3-ethyl-benzothiazoline-6-sulfonate), pyrogallol, and o-methoxyphenol.

5 12. A use of an ovulation-period-detecting reagent comprising the steps of:

mixing a Component A and a Component B in the ratio of 10-20:1 (by volume);

and

placing a secretion collected from vagina into the resultant solution to observe whether or not a color reaction occurs;

10 wherein said Component A contains a 1-10% (by weight) solution of a substance which can conduct a color reaction with hydrogen peroxide and said Component B is a 1-10% (by weight) aqueous solution of hydrogen peroxide.

13. The use as claimed in claim 12, wherein said Component A may further contain a stabilizing agent with a content of 0.01-0.02% (by weight).

15 14. The use as claimed in claim 12, wherein said substance in said Component A is selected from benzidine compounds.

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15. The use as claimed in claim 14, wherein said substance in said Component A is selected from the group consisting of benzidine, tetramethyl benzidine, diaminobenzidine, o-tolidine, o-dianisidine and inorganic salts thereof.

16. The use as claimed in claim 12, wherein said substance in Component A may be selected from the group consisting of 3-amino-9-ethylcarbazole, 4-methoxy- α -naphthol, o-phenylenediamine, 5-aminosalicylic acid, 2,2-azo-di(3-ethyl-benzothiazoline-6-sulfonate), pyrogallol, and o-methoxyphenol.

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